



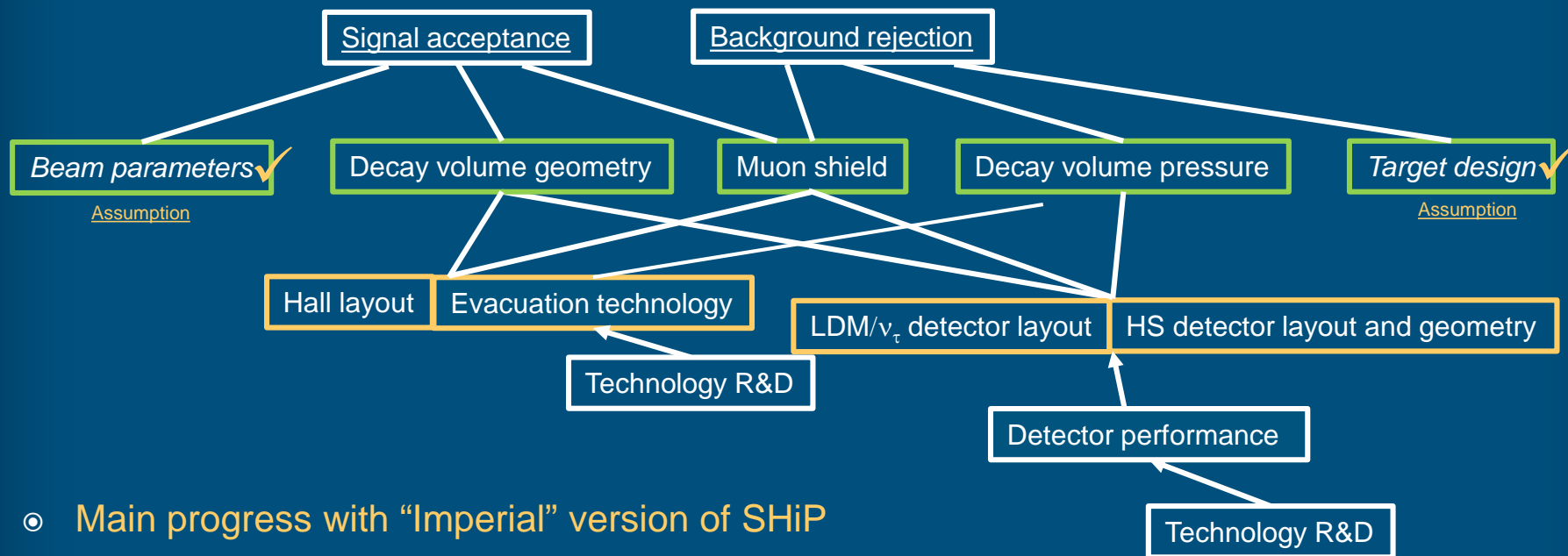
**SHiP**

*Search for Hidden Particles*

# CDR strategy: Imperial “follow-up”



# Reoptimization – first iteration



- Main progress with “Imperial” version of SHiP
  - Muon shield optimization
  - Decay volume design
  - ➔ Freeze current design as first iteration (avoid moving target situation!)
  
- Next step for SHiP@Berlin / June2017 meeting
  - Update signal and background tables a la TP with current detector ideas
  - Refine detector requirements/specifications
  - Input to Beam Dump Facility (BDF) working group
  - Next iteration of global re-optimization (including evacuation or helium)



# Detector agenda



## Wednesday

14:00	114 - Detector session intro	Richard Jacobsson
	81 - Muon flux and experimental acceptance	Oliver Lantwin
15:00	82 - Tau neutrino/LDM detector configuration	Annarita Buonauro
	83 - Upstream muon spectrometer	Daniel Bick
16:00	Coffee break	
	222-R-001 - Filtration Plant, CERN	15:50 - 16:20
	84 - Emulsion production capability	Masahiro Komatsu
	85 - Emulsion analysis - future prospects	Valeri Tioukov
17:00	86 - Summary of test-beams for the CES and emulsion-micromegas coupling	Annarita Buonauro

## Thursday

08:00	87 - Decay volume - concrete/steel	Andrea Prota
09:00	88 - Decay volume and LSc integration - steel	Alexander Malinin
	89 - SBT status and plans	Heiko Markus Lacker
	90 - SBT - scintillating bar option	Alexander Korzenev
10:00	91 - Straw tracker status and plans	Massimiliano Ferro-Luzzi
	Coffee break	
	222-R-001 - Filtration Plant, CERN	10:30 - 11:00
11:00	92 - Timing detector - scintillating bar option	Christopher Betancourt
	93 - Timing detector - MRPC option	Alberto Blanco Castro
	94 - PID and optimization	Walter Marcello Bonivento
12:00	95 - DAQ	Michael Jonker

## Physics software

14:00	Software status	Thomas Ruf
	222-R-001 - Filtration Plant, CERN	14:00 - 14:25
	Track pattern recognition for the straw tracker	Mikhail Hushchyn
	222-R-001 - Filtration Plant, CERN	14:30 - 14:50
15:00	PID	Behzad Hosseini
	222-R-001 - Filtration Plant, CERN	14:55 - 15:10